

THE LEAGUE OF WOMEN VOTERS OF HONOLULU

August 25, 2010

AUG 27 2010

Mr.Ted Matley FTA Region IX 201 Mission Street, Suite 1650 San Francisco, CA 94105

Dear Mr. Matley:

Subject: Honolulu High-Capacity Transit Corridor Project FEIS

The Honolulu League of Women Voters submits the following comments on projected population figures that the City is using in the rail FEIS. A corrected population figures might have a negative effect on their present daily ridership and revenue figures.

The Star-Advertiser on July 31, 2010 quoted an official from the City Department of Transportation Services (DTS) saying that the FEIS was based on DBEDT's population projections for 2030 which were prepared in August 2004 and published in the 2004 State Data Book (attachment # 1). The 2030 population projection in the FEIS on page 1-10 is 1,117,200 people on Oahu. The DTS official didn't indicate in the news article that two later revised population projections were considered in their calculation of ridership and revenue projections.

DBEDT issued a new Oahu population projection in January, 2008 (attachment # 2). Its revised projection for 2030 is 1,080,700 which is 36,500 less people than the 2004 projection forecast. DBEDT in 2009 (attachment # 3) again revised its population projections. They project the 2030 population to be 1,017,200 which is 99,635 less than their 2004 projection for 2030. This decrease in the 2030 projected population might have some negative effect on the City's ridership and revenue figures. It is something that Oahu taxpayers should know before the start of the rail construction.

Next, look at the annual growth rate (%) for Honolulu in the three sets of DBEDT population projections taken from attachments # 1 to 3. You notice that the annual growth rate decreases when you go from the 2004 to the 2009 projections. The annual growth rates from 2010 to 2030 in the 2009 population projections is higher than 2005-2010 annual growth rate of 0.3%. We question the higher annual growth rates for 2010 to 2030 in the 2009 projection series.

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Annual growth rate (%)nfor Honolulu Population

	DBEDT I	Projections in	
Years	Aug. 2004	Jan. 2008	July 2009
2005-10	0.9	0.7	0.3
2010-15	0.9	0.9	0.6
2015-20	0.8	0.7	0.6
2020-25	0.8	0.7	0,5
2025-30	0.7	0.7	0.5
2030-35		0.6	0.4

The U.S. Census Bureau annual population <u>estimates</u> from 2000 to 2009 for Honolulu County (attachment # 4) caused DBEDT to change Its population projections in Jan. 2008 and July 2009. Estimates are Usually better than projections. Since the Census figures were much Lower for 2000 to 2009 than DBEDT projections, DBEDT lowered its 2005 to 2010 projections in line with the Census estimates.

The growth rate of the Census population estimates from April 2000 to July 2009 was 3.6% as indicated in attachment # 4. As a worst-case Scenario, if population growth to 2030 were to continue at the same Rate of 3.6%, then the 2030 population would be 978,667 which is 136,533 less than the FEIS population for 2030.

You might ask how accurate is the Census estimates. The April 2000 Census count was 876,158 and the July 1, 2000 Census estimate was 875,061. The difference is 1,097 or a 0.13% error. That is not too bad for an estimate.

What is disturbing to us is that the City DTS is using the Aug. 2004 Projections and the City Department of Planning and Permitting (DPP)

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Is using the July 2009 projections as shown in their 2008 Annual Report, published in December 2009 (attachment # 5). Now, we have a Situation that DTS is not consistent with DPP, DBEDT and the Census Bureau.

For example, consider the projected population of 2010, using these different agencies projections or estimate. The following agencies population figures for 2010 are DTS-952,650, DBEDT and DPP-911,833, and the Census 2009 estimate-907,574. How much trust can you have in the DTS projections? Can this trust or mistrust extend to their ridership and revenue projections?

Now, consider the DBEDT breakdown of total resident population by 5-year age group, 2005-2030, as shown in attachment # 6. You notice under the last column of the attachment, Age Group Change, the greatest increase between 2005 to 2030 occurs in the 65+ group, with a smaller increase in the 0-19 group. However, in the 20-64 group, there was a decrease of 3,316 persons. Not a good omen for DTS ridership and revenue projections for 2030.

Since this FEIS is last chance for Oahu taxpayers to comment on this project, a better ridership and revenue projections should be given in this FEIS. Maybe, these figures could be given in a supplemental EIS.

Sincerely, Charles H Carole

Charles H. Carole

Vice-President

Table 1.25-- RESIDENT AND DE FACTO POPULATION PROJECTIONS, BY COUNTIES: 2000 TO 2030

[As of July 1. DBEDT 2030 Series]

				Other o	ounties	
Type of population and year	State total	City and County of Honolulu	Total	Hawali	Kauai	Maui 1/
Resident population 2/	:					
2000	1,212,670	875,881	336,789	149,261	58,560	128,968
2005	1,277,950	912,900	365,050	163,000	62,000	140,050
2010	1,346,600	952,650	393,950	176,750	65,900	151,300
2015	1,418,650	995,550	423,100	190,300	70,200	162,600
2020	1,489,550	1,037,250	452,250	203,050	74,750	174,450
2025	1,560,400	1,037,250	482,350	216,150	79,350	186,850
2030	1,630,450	1,117,300	513,150	229,700	83,900	199,550
2030	1,030,430	1,117,300	913,100	229,700	63,800	199,000
Share of state resident population (percent):						
2000	100.0	72.2	27.8	12.3	4.8	10.6
2005	100.0	71.4	28.6	12.8	4.9	11.0
2010	100.0	70.7	29.3	13.1	4.9	11.2
2015	100.0	70.2	29.8	13.4	4.9	11.5
2020	100.0	69.6	30.4	13.6	5.0	11.7
2025	100.0	69.1	30.9	13.9	5.1	12.0
2030	100.0	68.5	31.5	14.1	5.1	12.2
2000			0	''''	· ·	·-·-
De facto population 3/						
2000	1,335,156	925,444	409,712	166,446	74,726	168,540
2005	1,406,650	964,950	441,700	180,800	79,050	181,850
2010	1,490,500	1,011,600	478,900	196,500	84,850	197,550
2015	1,579,400	1,062,100	517,300	212,250	91,200	213,850
2020	1,663,450	1,109,500	553,950	226,800	97,450	229,700
2025	1,748,600	1,156,550	592,050	241,800	103,850	246,400
2030	1,834,200	1,202,600	631,600	257,700	110,400	263,500
2000	1,001,200	1,202,000	00.,000	201,100		
Share of state de facto						
population (percent):						
2000	100.0	69.3	30.7	12.5	5.6	12.6
2005	100.0	68.6	31.4	12.9	5.6	12.9
2010	100.0	67.9	32.1	13.2	5.7	13.3
2015	100.0	67.2	32.8	13.4	5.8	13.5
2020	100.0	66.7	33.3	13.4	5.9	13.8
2025	100.0	66.1	33.9	13.8	5.9	14.1
2030	100.0	65.6	34.4	14.0	6.0	14.4
2000	100.0	00.0	34,4	14.0	0.0	14.4

Continued on next page.

Table 1.25-- RESIDENT AND DE FACTO POPULATION PROJECTIONS, BY COUNTIES: 2000 TO 2030 -- Con.

- 1/ Maui County including Kalawao County.
- 2/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area and residents temporarily absent, but excludes visitors present.
- 3/ The de facto population is defined as the number of persons physically present in an area, regardless of military status or usual place of residence. It includes visitors present but excludes residents temporarily absent, both calculated as an average daily census.

Source: Hawaii State Department of Business, Economic Development & Tourism, Population and Economic Projections for the State of Hawaii to 2030 - DBEDT 2030 Series (August 2004) http://www3.hawaii.gov/DBEDT/images/User_FilesImages/latestdata/Long-range_Projections_-2030/Series2030Report_rev8-13-04_a974.pdf accessed July 1, 2005.

Table 1.28-- RESIDENT POPULATION PROJECTIONS, BY COUNTY: 2005 TO 2035

[As of July 1. DBEDT 2035 Series]

				Other c	ounties	
Type of population and year	State total	City and County of Honolulu	Total	Hawaii	Kauai	Maui 1/
Resident population 2/						
2005 3/	1,267,581	902,035	365,546	164,769	61,673	139,104
2010	1,332,880	932,120	400,770	185,850	65,340	149,580
2015	1,410,670	973,710	436,960	205,820	69,430	161,710
2020	1,482,390	1,010,370	472,020	225,000	73,520	173,500
2025	1,552,030	1,046,040	505,990	243,420	77,510	185,060
2030	1,619,870	1,080,700	539,170	261,340	81,370	196,460
2035	1,685,200	1,113,320	571,870	279,150	85,100	207,620
Annual growth rate (%)						
2005-2010 3/	1.0	0.7	1.9	2.4	1.2	1.5
2010-2015	1.1	0.9	1.7	2.1	1.2	1.6
2015-2020	1.0	0.7	1.6	1.8	1.2	1.4
2020-2025	0.9	0.7	1.4	1.6	1.1	1.3
2025-2030	0.9	0.7	1.3	1.4	1.0	1.2
2030-2035	0.8	0.6	1.2	1.3	0.9	1.1
Share of state resident		·				
population (percent):						
2005 3/	100.0	71.2	28.8	13.0	4.9	11.0
2010	100.0	69.9	30.1	13.9	4.9	11.2
2015	100.0	69.0	31.0	14.6	4.9	11.5
2020	100.0	68.2	31.8	15.2	5.0	11.7
2025	100.0	67.4	32.6	15.7	5.0	11.9
2030	100.0	66.7	33.3	16.1	5.0	12.1
2035	100.0	66.1	33.9	16.6	5.0	12.3

^{1/} Maui County including Kalawao County.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2035 - DBEDT 2035 Series*, Tables A-1 to A-6 (January 2008) http://hawaii.gov/dbedt/info/economic/data_reports/2035LongRangeSeries/2035_Long_Range_Series_Appendix_Tables.xls accessed May 18, 2008.

^{2/} The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area and residents temporarily absent, but excludes visitors present.

^{3/} Actual figure for July 1, 2005 from the U.S. Census Bureau.

Table 1.28-- RESIDENT POPULATION PROJECTIONS, BY COUNTY: 2005 TO 2035

[As of July 1. Revised DBEDT 2035 Series as of July 2009]

				Other c	ountles	
Type of population and year	State total	City and County of Honolulu	Total	Hawall	Kaual	Maui 1/
Resident population 2/						
2005 3/	1,264,468	899,673	364,795	164,462	61,589	138,744
2010	1,299,567	911,833	387,733	176,714	64,567	146,452
2015	1,367,795	941,824	425,971	199,488	68,440	158,043
2020	1,432,538	969,462	463,076	221,862	72,148	169,066
2025	1,492,253	994,610	497,644	242,642	75,598	179,404
2030	1,547,460	1,017,565	529,894	261,758	78,837	189,300
2035	1,598,675	1,038,316	560,359	279,706	81,925	198,727
Annual growth rate (%)						
2005-2010 3/	0.5	0.3	1.2	1.4	0.9	1.1
2010-2015	1.0	0.6	1.9	2.5	1.2	1.5
2015-2020	0.9	0.6	1.7	2.1	1.1	1.4
2020-2025	0.8	0.5	1.5	1.8	0.9	1,2
2025-2030	0.7	0.5	1.3	1.5	0.8	1.1
2030-2035	0.7	0.4	1.1	1.3	0.8	1.0
Share of state resident population (percent):						
2005 3/	100.0	71.2	28.8	13.0	4.9	11.0
2010	100.0	70.2	29.8	13.6	5.0	11.3
2015	100.0	68.9	31.1	14.6	5.0	11.6
2020	100.0	67.7	32.3	15.5	5.0	11.8
2025	100.0	66.7	33.3	16.3	5.1	12.0
2030	100.0	65.8	34.2	16.9	5.1	12.2
2035	100.0	64.9	35.1	17.5	5.1	12.4

^{1/} Maui County including Kalawao County.

Source: Hawaii State Department of Business, Economic Development & Tourism, *Population and Economic Projections for the State of Hawaii to 2035 - DBEDT 2035 Series*, Tables A-1 to A-6 (July 2009). Report is forthcoming.

^{2/} The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area and residents temporarily absent, but excludes visitors present.

^{3/} Actual figure for July 1, 2005 from the U.S. Census Bureau.

Subcounty Population Estimates and Percentage Change for the State of Hawaii, by County: April 1, 2000 to July 1, 2009

County/Sub-County Area	April 1, 2000 resident population estimates base 1/	July 1, 2000	July 1, 2001	% change 7/1/2000 to 7/1/2001	July 1, 2002	% change 7/1/2001 to 7/1/2002	July 1, 2003	% change 7/1/2002 to 7/1/2003	July 1,	% change 7/1/2003 to 7/1/2004	July 1.	% change 7/1/2004 to	July 1.	% change 7/1/2005 to	July 1	% change 7/1/2006 to	July 1,	% change 771/2007 to	July 1,	% change 7//2008 to	April 2000 to July 1,
Hawaii Honciulu CDP	1,211,538 371,657	1,211,566	371,065	900	1,228,069	8.0	1,239,298 374,222	0.0 4.0	1,282,782	1.0	1 20	120	1	0.7	276,832 373,283	-	373,338	0.0	7000 1,295,178 374,701	0.0	2008 - 6.3 - 8.9
Hawaii County Horokiui County Horokiui CDP Balance of Horokiuiu Chty Kauai County Mau County 2	148,676 876,158 371,857 504,501 58,463 128,241	149,096 875,061 370,966 504,095 58,511 128,899	150,881 877,189 371,065 506,124 58,746 131,467	10000 440	153,170 882,628 372,814 509,714 59,496 132,805	494F40 F000FF	156,340 888,026 374,222 513,804 60,061 134,871	4000	160,170 894,406 374,581 519,825 61,070 137,136	4 C 0 0 C L L C L C L C L C L L L C L	164,887 900,340 375,111 525,228 61,759 139,131	8 7 F O F S	169,540 303,467 528,042 62,079	800000 NOOOO	173,190 898,635 373,288 525,412 529,23 742,022	9 0 0 0 5 5 9 4 6 6 5 5	176,399 902,745 373,338 529,407 63,873	2000 F	177,835 907,574 374,701 532,873 64,529	0000-0 884-08	ង្គមួនក្នុង គំគូនគំអ្

1/ Reflects changes to the Census 2000 population from the Count Question Resolution program and geographic program revisions.
2/ Including Kalawao County.
Source: U.S., Cansus Bureau, Population Division (Juno 22, 2010); calculations by the Hawaii State Department of Business, Economic Development & Touris

Table I-2 POPULATION TRENDS VERSUS GENERAL PLAN PERCENTAGES

	0%	% of Actual Population	hion	1 30 /0		74	
Development Plan				L ID 0/	/o or rightier robulation	ation	General Plan
Area	1980	1990	7000	2010	0000	3000	Percentage
Primary Urban Center	54 7%	E1 70/	/7 00/) OC LY	2020	5053	CZ/CZ JDI
្ត្	, i	0/ 2:10	47.876	%5.5% %6.5%	44.6%	44.0%	46.0%
	4.7%	5.1%	7.8%	10.4%	12.7%	13.8%	
Central Cahu	13.3%	15.6%	16 00/	707 77	1	9/0:1	
East Honolin	762 4		0,0,0	17.4%	17.1%	17.3%	17.0%
1/00/01/19/19	0.7%	5.5%	5.3%	5.4%	5.3%	5.1%	
Noviaupoko	14.3%	14.1%	13.5%	12.5%	12 0%	44 60/	
Koolauloa	1 4%		1 70/	00	7070	2	%o:1;
North Shore	/0/- 7		0/ /-	%9'L	1.5%	1.5%	1.4%
Weight	0.7.1	1.9%	2.1%	1.9%	1.9%	1.9%	1 7%
walailae	4.1%	4.5%	4.8%	4.9%	4 8%	4 8%	, oo r
IOTAL	100%	100%	100%	100%	100%	900	8) è
				2/2	6/ SS	8/20I	, 201
			•	•			
	Ă	Actual Population		Proj	Projected Population	5	
Primary Urban Center	417,240	432,023	419,333	418.700	432 500	437 800	
Ewa	35,523	42.931	99,99	00 100	7007	101,000	
Central Oahu	101 685	120 500	7,000	00°t	143,100	13/,/00	
1000 to	00,00	070,001	148,208	159,000	166,100	171.600	
במצר דיכו ומוחום	43,213	45,654	46,735	49,100	51.200	50,400	
Nooiaupoko	109,373	117,694	117,999	114 200	116 100	148,000	
Koolauloa	10,983	14.263	14 546	200	2, 2,	000,2	
North Shore	13.061	15,700	7,00	1,400	008,4	15,200	
Waianae	2,000	5, 5	10,300	17,700	18,800	19,100	
A LOT	21,48/	37,411	42.259	44,500	46,800	47.800	
₹2	762,565	836,231	876,156	911,800	969 500	007 600	
					200,000	204,000	

¹ General Plan Population Objective C Policy 4 Note: Parts may not sum to totals because of rounding SOURCE: U.S. Census; Department of Planning and Permitting

Table I-3

GROWTH PROJECTIONS BY DP AREA

(2000 - 2035)

				1,000										
			Part 1.	RESIDENT POPULATION	T POPU	LATIO	7				Part	Part 2. VISITOR UNITS	R UNITS	
		Number o	Number of Residents		Shz	Share of Oahu Total	ahu Tot		2000 to 2035	2035				
Development	Actual		Projected		Actual	P	Projected			% In-	Number	, a	Choro	-
Plan Area	2000	2015	2025	2035	2000	2015	2025	2035	Increase	crease	2000	2035	2000	2035
7. 7.	440.000	201 201											2	222
Frimary Urban Center	419,553	427,429	437,818	447,715	48%	45%	44%	43%	28,382	7%	34,170	30,142	84%	76%
Ewa	68,696	107,234	137,721	164,556	%	11%	14%	16%	95,860	140%	392	7,204	10%	18%
Central Oahu	148,208	161,999	171,595	181,423	17%	17%	17%	17%	33.215	22%	207	202	10%	10/
East Honolulu	46,735	51,119	50,400	48,843	2%	2%	2%	2%	2,108	2%	371	352	701	10/1
Koolaupoko	117,999	115,631	114,975	111,594	13%	12%	12%	11%	-6.405	-5%	99	17	760	7/00
Ko'olau Loa	14,546	14,592	15,150	15,452	7%	7%	7%	1%	906	%9	595	1 401	20%	7%
North Shore	18,380	18,325	19,126	19,517	7%	7%	7%	2%	1.137	%9	17	22	700	200
Waianae	42,259	45,518	47,847	49,217	2%	2%	2%	5%	6.958	16%	509	208	1%	3/2
· OAHU TOTAL	876,156	941,800	994,600	1,038,300	100% 100%	100%	100%	100%	162,200	19%	36,321	39.600	100%	100%
Annual Growth Rate		0.5%	0.5%	0.4%					0.5%		0.2%		2	27.22
								•			_		_	_

				Par	Part 3. HOUSING UNITS	ISING	CINITS		1			-		
							2							
	·	Number of	Number of Housing Units	2	Sha	re of O	Share of Oahu Total	Į.	2000 to 2035	135	Estimated	Hollsing Canacity	anacito	
Development	Actual		Projected		Actual	Ā	Projected		%	% In-		Remaining as of:	The of	
Plan Area	2000	2015	2025	2035	2000	2015	2025	2035	Increase crease	ease	at Buildout	2000	2035	
		2000												•
Frimary Urban Center	171,773	184,935	196,197	207,218	54%	25%	21%	20%	35,445	21%	214,114	42.341	6.896	
Ewa	20,797	34,341	45,669	56,344	7%	10%	12%	14%	35.547 1	71%	75,651	54 854	10 207	
Central Oahu	45,878	53,121	58,343	63,784	15%	15%	15%	15%	<u>' </u>	30%	71 007	25 120	7 222	
East Honolulu	17,099	19,745	20,141	20,141	2%	%9	2%	2%	_	1%	20 141	2,142	(244,	
Koolaupoko	36,964	38,185	39,280	39,280	12%	11%	10%	8	2,316	3	30 280	2,042		
Ko'olan Loa	4,473	4,737	5,098	5,372	1%	1%	1%	18		20%	6315	1 842	043	
North Shore	6,648	6,994	7,563	7,966	2%	7%	7%	2%		20%	8 162	1,042	104	
Waianae	12,356	14,060	15,298	16,242	4%	4%	4%	4%	L	31%	17365	\$ 000	122	
OAHU TOTAL	315,988	356,100	387,600	416,300	,	100% 100%		100%	1	32%	452.035	136 047	35 700	,
Annual Growth Rate	•	%8.0	%6.0	0.7%					J٠	2	222(22)	120,021	33,78	

NOTE: All projected "Oahu Total" counts are rounded to the nearest 100. In addition, percentage shares by DP area may not sum to 100% due to rounding.

(1) Areas with negative increases should be interpreted as stable communities with little or no growth expected. The negative population is caused by declines in household size that negated any population increases from housing unit gains.

Age group (years)	2005	2010	2015	2020	2025	2030	Change 2003-2030	Age Group Change	
0 · 4	60,972	61,593	62,456	62,475	61,973	52,118	1,146	Alex 0:19	Ages 0-1 14,399 Ages 20-64
5-9	52,484	54,928	60,941	61,810	61,807	61,280	8,796		
10 - 14	56,621	47,272	52,109	58,125	58,975	58,953	2,332	14,399	ા (4,344
15 - 19	56,995	56,439	47,451	52,287	58,285	59,120	2,125		
20-24	70,385	69,455	69,830	60,850	65,655	71,616	1,231	Ages 20-64	Ages 20-64
25 - 29	63,538	65,177	67,222	67,596	58,610	63,368	-170	C New York	, i
80-34	63,600	59,930	64,153	56,213	66,570	57,589	-6,011		1.6
35 - 39	63,979	61,373	60,025	54,244	66,289	66,636	2,657		4 456
40 • 44	65,597	59,543	57,618	56,811	60,511	62,550	-3,047	-3,316	-3,316
45 - 49	69,512	60,870	56,925	55,049	53,778	57,957	-5,555		
50-54	59,393	61,227	59,723	55,890	54,072	52,849	-6,544		
55 - 59	54,845	57,607	60,851	59,455	55,742	53,998	-347		
50 - 64	40,560	51,278	56,534	59,811	58,560	55,029	, 14,469		
55 - 69	91,541	38,708	49,564	54,749	58,045	56,998	25,457		Ages 65.
70 - 74	29,201	30,196	36,652	46,927	51,972	55,260	26,059		Ages 65.
75 - 79	27,573	25,496	27,135	33,139	42,629	47,470	19,897		106,810
0-84	21,297	23,635	22,290	23,046	28,419	36,827	15,530		, -
85+	18,080	26,112	30,346	31,486	32,718	37,947	19,867		
Total	899,673	911,833	941,824	969,462	994,610	1,017,565	117,892	117,892	